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Part of a Letter from Sr. R. B. to Dr. L. concerning a new sort of Caleſh.

Sr. William Petty, Mr. Molyneux and I have spent this day in making experiments, with a new invented *Caleſh*, along with the Inventor thereof; 'tis he that was in London when I was there, but he never made any of these *Caleſhes* there, for his invention is much improved since he came thence; it is in all points different from any machine I have ever seen: It goes on two wheels; carries one Person; is light enough: as for its performance, tho' it hangs not on Braces, yet it is easier then the Common Coach, both in the high way, in ploughed Fields, croſs the ridges, directly, and obliquely: a common Coach will overturn, if one wheel go on a ſuperficies a foot and a half higher then that of the other, but this will admit of the difference of $3\frac{1}{2}$ foot in height of the ſuperficies, without danger of overturning: we chose all the irregular Banks, and ſides of Ditches to run over, and I have this day ſeen it at five ſeverall times turn over and over, that is, the wheeſ ſo over-turnd as that their Spokes ly parallel to the Horizon, ſo that one wheel lies flat over the head of him that rides in the *Caleſh*, and the other wheel flat under him, but ſo much I call but once overturnd. But what I have mentioned was another turn more, ſo that the wheeſ were again in *Statu quo*, and the Horse not in the leaſt diſordered. If the Horse ſhould be in the leaſt unruſy, with the help of one pin, you diſengage him from the *Caleſh* without any inconvenience. I my ſelf have been once overturnd, and knew it not till I looکt up, and ſaw the wheel flat over my

my head; and if a Man went with his Eyes shut, he would imagine himself in the most smooth way, tho' at the same time there be 3 foot difference in the height of the ground of each wheel. In fine, we have made so many and so various experiments, and are so well satisfied of the usefulness of the Invention, that we have each of us bespoken one; they are not (Plain,) above six or eight pound a piece,

Dublin,

May 5th, 1685.